

ABSTRACT

A gas turbine engine includes: an air flow control system installed in an air intake path for introducing air to a compressor. The air intake path is located outside and upstream  
5 with respect to the compressor. The engine also includes intake air flow control means for controlling an intake air flow by operating the air flow control system according to a load of the engine so as to maintain an air-to-fuel ratio in the combustor within a proper range suited to suppress a discharge  
10 of an atmospheric pollutant.